## TRANSMITTAL FORM FOR FILING PATENT APPLICATION

Attorney Docket No.: TI-34685 (UNITI-169XX)

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP

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Express Mail No: EV044747701US

| MAIL STOP PATENT APPLICATION   |  | 10/          |
|--|--|--------------|
| Commissioner for Patents P.O. Box 1450   | Date: September 15, 2003   | 039          |
| Alexandria, VA 22313-1450  | First Named Inventor or Applicati<br>Identifier: James B. Cho                                    | .on          |
| Sir:   |  |              |
| Transmitted herewith under 37 CFR § 1.53 for   | filing is the patent application   | of:          |
| Inventor: James B. Cho and Christian Harried   | der  |              |
| Entitled: METHOD AND APPARATUS FOR SYNTHESIZ FREQUENCY NEAR THE FREQUENCY OF A   |  |              |
| [] This is a request for filing a [ [] continuation in-part application un No, filed   | der §1.53(b) of prior Application  |              |
| Enclosed are: $[X] \cdot 24$ pages of written description, claims  | and Abstract, inclusive  |              |
| [X] 7 sheets of [ ] informal [X] formal dra  | wings of Figs. 1-6 (one set)   |              |
| <pre>[X] Oath or Declaration [X] Newly executed (original or copy) [] Copy from prior applicat continuation/divisional). The application, from which a copy of is considered as being part of application and is hereby incorporate.</pre> | entire disclosure of the p<br>the oath or declaration is suppl<br>the disclosure of the accompan | rior<br>ied, |

- [X] Cover sheet and Assignment of the invention to: TEXAS INSTRUMENTS INCORPORATED
- application (if foreign [ ] Certified copy of a priority is claimed) with letter claiming priority under Rule 55.
- [ ] Information Disclosure Statement with citations
- [ ] Preliminary amendment is enclosed.
- 2 Return receipt postcards [X]

[ ] To be filed later

Small entity status is entitled to be, and hereby is, asserted for this [ ] application.

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## TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

| [ ] | Other:   |  |  |  |  |  |
|-----|--|--|--|--|--|--|
| [ ] | Priority is claimed under 35 USC § 120 as indicated  | ated on the attached sheet 4.  |  |  |  |  |
| [ ] | Priority is claimed under 35 USC §119(a)-(d) as  | s indicated on the attached sheet 4.   |  |  |  |  |
| [ ] | Priority is claimed under 35 USC §119 (e) as in  | ndicated on the attached sheet 4.  |  |  |  |  |
| [X] | Attorney of  | Record: James F. Thompson n No.: 36,699  |  |  |  |  |
| [ ] | Power of Attorney in the originally-filed application has been granted to one or more of the registered attorneys listed below. The attorneys listed below not previously granted power in the originally-filed application, as well as, are hereby given associate power: Registration No.: |  |  |  |  |  |
|     | Stanley M. Schurgin, Reg. No. 20,979 Charles L. Gagnebin III, Reg. No. 25,467 Victor B. Lebovici, Reg. No. 30,864 Beverly E. Hjorth, Reg. No. 32,033   | Holliday C. Heine, Reg. No. 34,346<br>Gordon R. Moriarty, Reg. No. 38,9<br>James F. Thompson, Reg. No. 36,69<br>David A. Dagg, Reg. No. 37,809 |  |  |  |  |
| [ ] | Cancel in this application original claims application before calculating the filing for   | of the prior   |  |  |  |  |
| [ ] | Add in this application claims   | per amendment before calculating   |  |  |  |  |

| CLAIMS FILED:  | MINUS  | BASE:    | EXTRA CLAIMS:           | RATE:         | BASIC FEE: |
|--|--|----------|-------------------------|---------------|------------|
|  |  | E.       |                         |               | \$750.00   |
| Independent  | 2 -  | 3        | = 0                     | x \$84.00 =   | 0          |
| Total  | 21 -   | 20       | = 1                     | x \$18.00 =   | 18.00      |
| [ ] Multiple De  | 0  |          |                         |               |            |
| de la companya de la |  |          | SUBTOTAL                | FILING FEE    | 768.00     |
| Small Entity filir   | ng, divide   | by 2. (S | mall Entity status must | be asserted.) | N/A        |
|  | MAN THE STATE OF T |          | TOTAL                   | FILING FEE    | 768.00     |

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## TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)

- [X] The filing fee has been calculated above; a check in the amount of \$768.00 is enclosed.
- [ ] The filing fee will be submitted at a later date.
- [X] In the event a Petition for Extension of Time under 37 CFR §1.17 is required by this paper and not otherwise provided, such Petition is hereby made and authorization is provided herewith to charge Deposit Account No. 23-0804 for the cost of such extension.
- [X] The Commissioner is hereby authorized to charge payment of any additional filing fees under 37 CFR \$1.16 associated with this communication or credit any overpayment to Deposit Account No. 23-0804.
- [X] Customer Number 23494

which is associated with:
W. Daniel Swayze, Jr. Esq.
Texas Instruments Incorporated
P.O. Box 655474, M/S 3999
Dallas, TX 75265
Tel: (972) 917 5633

SEND CORRESPONDENCE TO:

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attorney of Record Richard E. Gamache

Registration No. 39,196

Sheet 4 of 4

Attorney Docket No.: TI-34685 (UNITI-169XX)

## TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)

| [ ]         | Priority is claimed under 35 USC § 120 of prior Application(s) No filed, entitled: |            |               |          |       |       |            |         |        |
|-------------|--|------------|---------------|----------|-------|-------|------------|---------|--------|
|             | [ ] The above-ide  | ntified ap | plicatio      | on(s) i  | is/ar | e ass | signed of  | record  | to:    |
| []<br>appli | Priority is claimed undication(s).   | der 35 USC | \$ 119 (      | a) - (d) | of t  | the f | ollowing   |         |        |
|             | (Application Number) (Country)   |            |               | ) (Fi    |       |       | Date)      |         |        |
|             | (Application Number)   | (Country   | )             |          | (Fil  | ing [ | Date)      |         |        |
|             | (Application Number)   | (Country   | )             |          | (Fil  | ing [ | Date)      |         |        |
|             | [ ] The above-io   | dentified  | applicat      | ion(s)   | is/a  | are a | ssigned o  | f recor | d to:  |
|             | . Priority is claimed unication(s).  | nder 35 U  | SC § 11       | .9 (e)   | of    | the   | following  | provis  | sional |
|             | (Application Number)   |            | (Filing Date) |          |       |       |            |         |        |
|             | (Application Number)   | _          | (Filing       | Date)    | -     |       |            |         |        |
|             | (Application Number)   | _          | (Filing       | Date)    |       |       |            |         |        |
|             | [ ] The above-io   | dentified  | provisio      | nal ap   | plica | ation | (s) is/are | e assig | ned    |

SUBMIT IN TRIPLICATE REG/1kw/295989

of record to:

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP TEL (617) 542-2290 FAX (617) 451-0313